Why Professionalism Matters:

Lessons from the Ashes



The one take-away

Insist on
PROFESSIONALISM
AND INTEGRITY
in your operation.













American Airlines flight 1400



"I'm ambivalent right now. I got six months to go."

- Captain of AA 1400







"The casual atmosphere in the cockpit before takeoff affected and set a precedent for the pilots' responses to the situations..., eroded the margins of safety provided by the standard operating procedures and checklists, and increased the risk to passengers and crew."

PSA AIRLINES (D.B.A. US Airways Express) January 2010





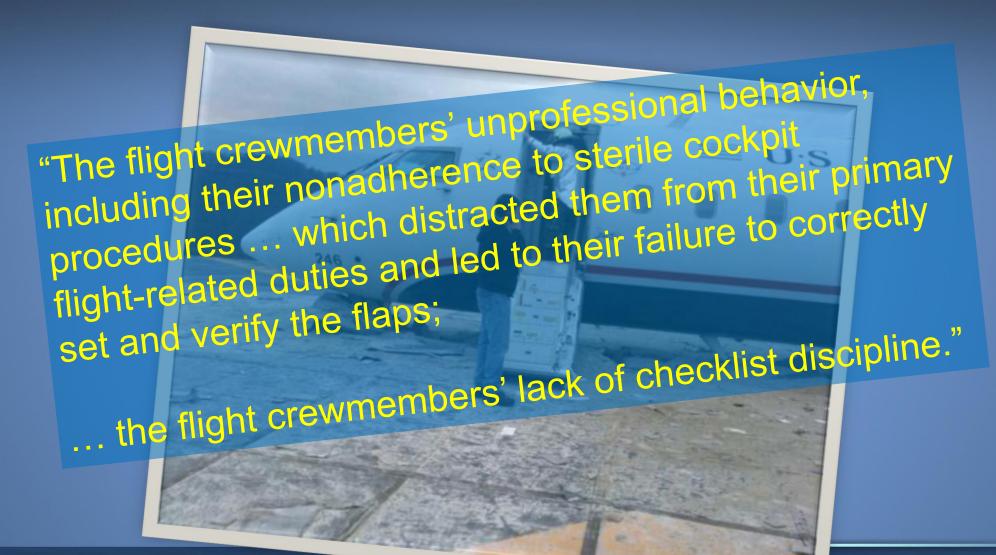


Who	Statement / editorial comment		
F/O	oh we talked about you know we want fifteen acres.		
Capt.	[expletive].		
F/O	the house'll sit kind of in one of the front corners but back up off the road where it can't be seen.		
Capt.	yeahthat's— yeah.		
F/O	and we— she wants a road track built on the property.		
Capt.	aww man that'd be cool as [expletive].		





Lack of Professionalism





Comair 5191



Time	Who	Statement / editorial comment
05:52.11	Capt.	"I'm easy buddy."
05:56:14	Capt.	"run the checklist at your leisure."
05:57:36	Capt.	"Before starting, at your leisure."
05:58:12	Capt.	"Start engines, your leisure."
05:59:42	Capt.	"he said it's okay to turn one at your leisure."
05:59:45 to 06:01:47		Crew engages in two minutes of non-pertinent conversation during engine start
06:03:12	Capt.	"finish it up, your leisure."
06:03:16		First officer initiates and captain participates in, 40 seconds of nonpertinent conversation.
06:05:15	F/O	"churlieser ['at your leisure' spoken very fast], Comair one twenty one ready to go."



NTSB Finding



"The flight crew's noncompliance with standard operating procedures... and both pilots' nonpertinent conversation, most likely created an atmosphere in the cockpit that enabled the crew's errors."

Bedford, MA May 2014

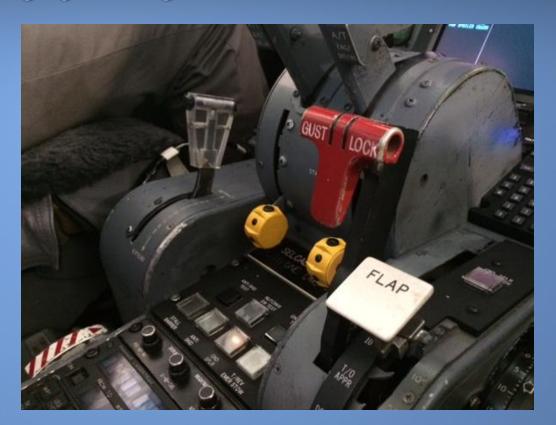






NTSB Investigation Found

- The flight crew failed to disengage the gust lock.
- None of the five manufacturer specified-checklists were verbalized on the accident flight.
- No complete flight control check for 173 of the past 175 flights.



Probable Cause

- The NTSB determines that the probable cause of this accident was the flight crewmembers' failure to perform the flight control check before takeoff...
- Contributing to the accident were the flight crew's habitual noncompliance with checklists ...





NBAA







Intentional non-compliance leads to other problems

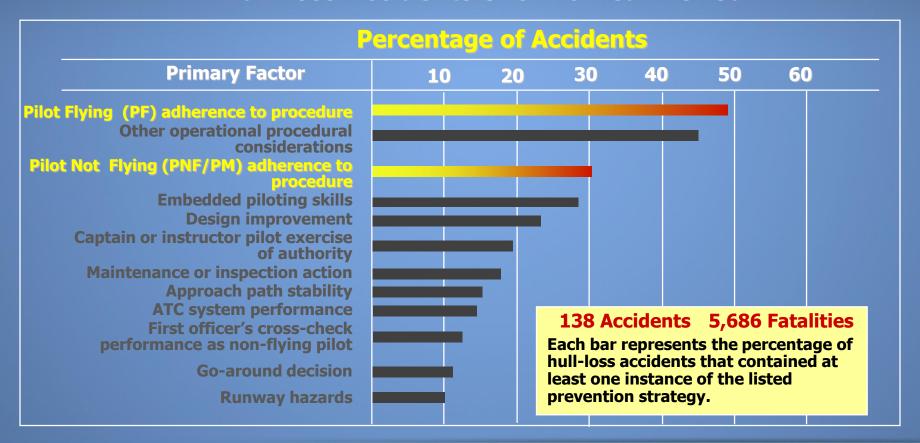
- LOSA data revealed that, compared to crews who followed SOPs, crewmembers who intentionally deviated from procedures:
 - averaged making 3 times more errors
 - mismanaged more errors
 - found themselves in more undesired aircraft situations



Accident Prevention Strategies

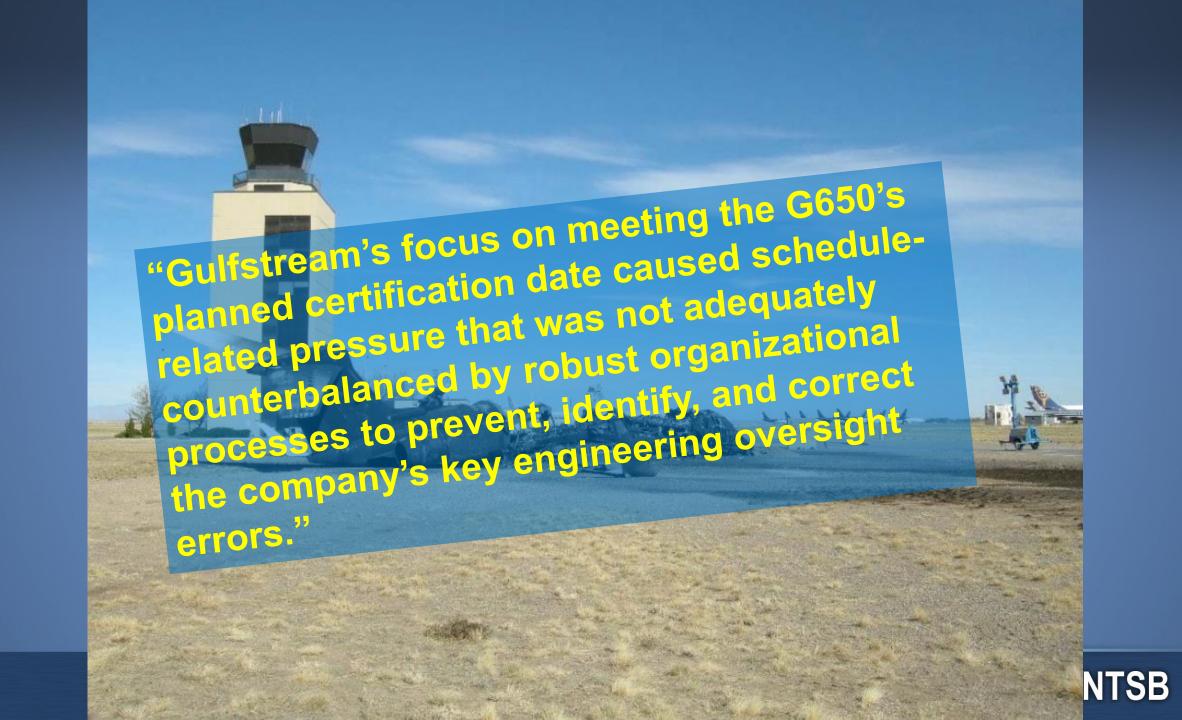
Source: Boeing study of accident prevention strategies

Hull-loss Accidents over 10 Year Period









Sanford, FL July 2007









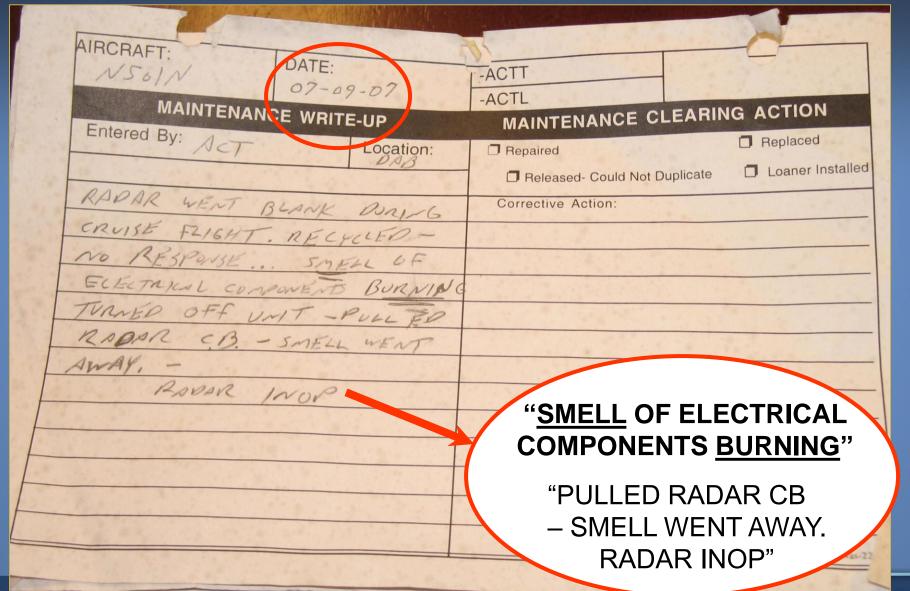
Declared Emergency

"Smoke in the cockpit."

"Shutting off radios, elec."







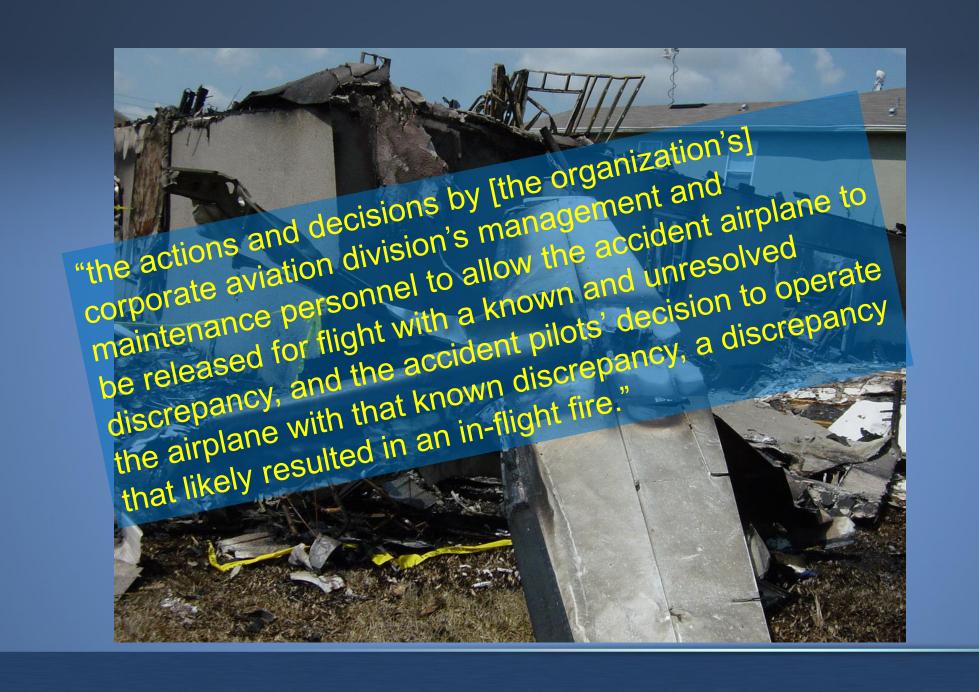


MECHANIC: "We have a discrepancy with the airplane."

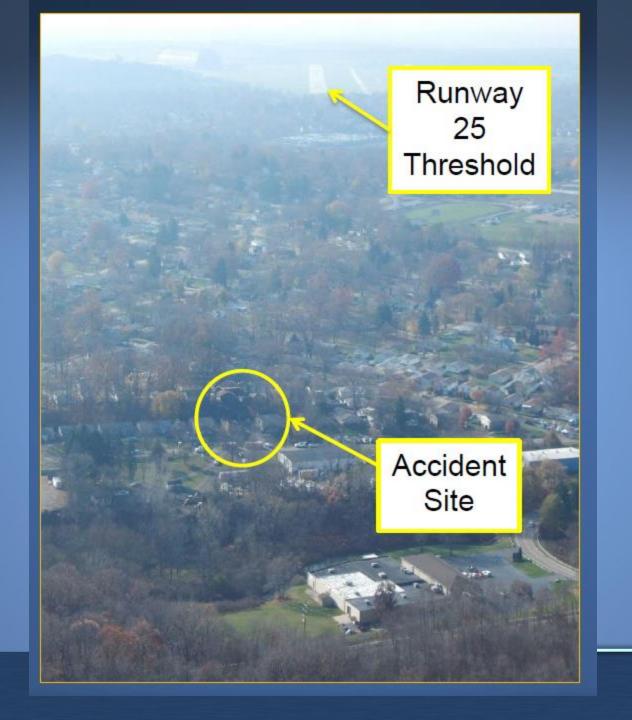
PILOT: "I know about the radar, I don't give a # about that, I'm taking the airplane."

As recounted by mechanic. Source: Ops Group Factual Report. p. 24











Aerial View of Destroyed Building



Probable Cause

- The flight crew's mismanagement of the approach and multiple deviations from company standard operating procedures, which placed the airplane in an unsafe situation and led to an unstabilized approach, a descent below minimum descent altitude without visual contact with the runway environment, and an aerodynamic stall.
- Contributing to the accident were Execuflight's casual attitude toward compliance with standards; its inadequate hiring, training, and operational oversight of the flight crew; the company's lack of a formal safety program; and the Federal Aviation Administration's insufficient oversight of the company's training program and flight operations.











National Transportation Safety Board